This book is designed to provide a comprehensive discussion of the clinical, physical, and technical aspects of treatment planning.

With the advent of computer technology and medical imaging, treatment planning in radiation oncology has evolved from a way of devising beam arrangements to a sophisticated process whereby imaging scanners are used to define target volume, simulators are used to outline treatment volume, and computers are used to select optimal beam arrangements for treatment.

The intent of Treatment Planning in Radiation Oncology is to review clinical, physical, and technical aspects of treatment planning and present a contemporary version of the treatment planning process.